Amendments to the Claims:

Listing of Claims:

1. (Previously presented) A front-end array process for making a liquid crystal display panel, comprising:

depositing a molybdenum-containing metal layer on a glass substrate, wherein said molybdenum-containing metal layer is a dual-metal layer;

forming a patterned photoresist on said molybdenum-containing metal layer, wherein said patterned photoresist defines a gate and word line array pattern; and

using said patterned photoresist as an etching mask, uniformly etching said molybdenum-containing metal layer to form said gate and word line array pattern having substantially oblique sidewalls, wherein said etching of said molybdenum-containing metal layer uses gas mixture, wherein said etching of said molybdenum-containing metal layer is detected by an end-point detection method.

15

25

30

10

5

- 2. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein after said etching of said molybdenum-containing metal layer, an over etching is carried out.
- 3. (Previously presented) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said gas mixture is SF6/O2 having a ratio of about 700sccm/300sccm.
 - 4. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said etching of said molybdenum-containing metal layer is executed under a process pressure higher than 25 mTorr.
 - 5. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said etching of said molybdenum-containing metal layer is further controlled by a source power, a bias power, process pressure, oxygen flowrate and flowrate of fluorine containing gas.

- 6. (Canceled)
- 7. (Canceled)

5

- 8. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said etching of said molybdenum-containing metal layer is detected by an end-point detection method at an wavelength of about 704nm.
- 9. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said gas mixture is oxygen/fluorine containing.
 - 10. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said gas mixture is oxygen/chlorine containing.

15

- 11. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said gas mixture is oxygen/chlorine/fluorine containing.
- 12. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said gas mixture is SiF6/O2 containing.
 - 13. (Previously presented) A front-end array process for making a liquid crystal display panel, comprising:
 - depositing a molybdenum-containing metal layer on a glass substrate;
- forming a patterned photoresist and defining a gate and word line array pattern on said molybdenum-containing metal layer; and etching said molybdenum-containing metal layer by using fluorine/oxygen containing gas mixture containing SF6/O2 with a ratio of about 700sccm/300sccm, and using said patterned photoresist as an etching mask to form said gate and word line array pattern.
 - 14. (Previously presented) The front-end array process for making a liquid crystal

display panel according to claim 13 wherein said gate and word line array pattern have substantially oblique sidewalls.

15. (Original) The front-end array process for making a liquid crystal display panel according to claim 13 wherein after said etching of said molybdenum-containing metal layer, an over etching is carried out.

16. (Canceled)

5

25

- 17. (Original) The front-end array process for making a liquid crystal display panel according to claim 13 wherein said etching of said molybdenum-containing metal layer is executed under a process pressure higher than 25 mTorr.
- 18. (Original) The front-end array process for making a liquid crystal display panel according to claim 13 wherein said etching of said molybdenum-containing metal layer is detected by an end-point detection method at an wavelength of about 704nm.
- 19. (Original) The front-end array process for making a liquid crystal display panel according to claim 13 wherein said molybdenum-containing metal layer is a20 dual-metal layer.
 - 20. (Previously presented) The front-end array process for making a liquid crystal display panel according to claim 19 wherein said dual-metal layer is Mo/AlNd, MoW/AlNd, or MoW/Al, wherein Mo and MoW are top layers, while AlNd and Al are bottom layers.
 - 21. (New) A front-end array process for making a liquid crystal display panel, comprising:

depositing a molybdenum-containing metal layer on a glass substrate, wherein said molybdenum-containing metal layer is a dual-metal layer and said dual-metal layer is Mo/AlNd, MoW/AlNd, or MoW/Al, wherein Mo and MoW are top layers, while AlNd and Al are bottom layers;

forming a patterned photoresist on said molybdenum-containing metal layer, wherein said patterned photoresist defines a gate and word line array pattern; and

using said patterned photoresist as an etching mask, uniformly etching said molybdenum-containing metal layer to form said gate and word line array pattern having substantially oblique sidewalls, wherein said etching of said molybdenum-containing metal layer uses gas mixture, wherein said etching of said molybdenum-containing metal layer is detected by an end-point detection method.